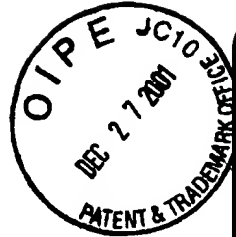


Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing OR ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number CAPTNE/P003A1

First Named Inventor Perrin, Robert E.

COMPLETE IF KNOWN

Application Number 09/845,847

Filing Date April 30, 2001

Group Art Unit 2835

Examiner Name Not Assigned

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Method and Apparatus for Routing Data Over a Computer Network

the specification of which (Title of the Invention)

☐ is attached hereto
OR

☒ was filed on (MM/DD/YYYY) 04/30/2001 as United States Application Number or PCT International

Application Number 09/845,847 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 356(b) of any foreign application(s) for patent or inventor's certificate, or 356(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02C attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☒ Customer Number 29914
OR

☐ Registered practitioner(s) name/registration number listed below

Place Customer Number Bar Code Label here

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number or Bar Code Label 29914 OR ☐ Correspondence address below

Name					
Address					
Address					
City		State		ZIP	
Country		Telephone		Fax	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])			Family Name or Surname		
Robert E.			Perrin		
Inventor's Signature	Robert E. Perrin				Date 22 Oct 01
Residence: City	Sacramento	State	CA	Country	USA
Post Office Address	480 Lyman Circle				
Post Office Address					
City	Sacramento	State	CA	ZIP	95835
Country	USA				

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → +

PTO/SB/02A (3-97)
Approved for use through 9/30/98. OMB 0651-0032
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<h2 style="margin: 0;">DECLARATION</h2>	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>
---	---

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Keith A.				Hoek, Sr.			
Inventor's Signature	<i>Keith A. Hoek Sr.</i>			Date	24 OCT 01		
Residence: City	Wheatland	State	CA	Country	USA	Citizenship	USA
Post Office Address 2287 Jasper Lane							
Post Office Address							
City	Wheatland	State	CA	ZIP	95692	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Kelly M.				Hall			
Inventor's Signature	<i>Kelly M Hall</i>			Date	22 OCT 01		
Residence: City	Davis	State	CA	Country	USA	Citizenship	USA
Post Office Address 955 Cranbrook, Apt. No. 344							
Post Office Address							
City	Davis	State	CA	ZIP	95616	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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Practitioner's Docket No. CARRONE/P003A1

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PATENT
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TECHNOLOGY CENTER 2800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Perrin, Robert E.; Hoek, Sr., Keith A.

Application No.: 09/845,847

Group No.: 2835

Filed: 04/30/2001

Examiner: Not Assigned

For: Method and Apparatus for Routing Data Over a Computer Network

Commissioner for Patents

Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. § 3.73(b)
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION

1. The assignee of the entire right, title and interest hereby seeks to take action in the PTO in this matter.

IDENTIFICATION OF ASSIGNEE

2. Name of assignee: Captus Networks Corp.
Type of assignee: Corporation

PERSON AUTHORIZED TO SIGN

3. Name of person authorized to sign on behalf of assignee: Richard G. Helgeson
Title of person authorized to sign: President and CEO

CERTIFICATION UNDER 37 C.F.R. sections 1.8(a) and 1.10*

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

- ☒ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

37 C.F.R. section 1.8(a)

37 C.F.R. section 1.10*

- ☒ with sufficient postage as first class mail.

- ☐ as "Express Mail Post Office to Address"
Mailing Label No. _____ (mandatory)

Date: 10/29/2001

William P. Smith
Signature

William P. Smith, Reg. No. 34,931
(type or print name of person certifying)

I, the person signing below, state that I am empowered to sign this statement on behalf of the assignee.

BASIS OF ASSIGNEE S INTEREST


Ownership by the assignee is established as follows:

A.

1. An assignment from the inventors of the matter identified above, which was recorded in the PTO at Reel 11977, Frame 0738.

COPIES OF DOCUMENTS IN CHAIN OF TITLE

A copy of the recorded assignment in the chain of title is attached.



Signature of authorized person

Richard G. Helgeson

President and CEO

Date: 10/29/2001



William P. Smith

Registration No. 34,931

DKW Law Group, PC

58th Floor USX Tower

600 Grant Street

Pittsburgh, PA 15219

USA

412-355-2600



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 20, 2001

PTAS

DOEPKEN KEEVICAN & WEISS, P.C.
WILLIAM P. SMITH
600 GRANT STREET
58TH FLOOR - USX TOWER
PITTSBURGH, PA 15219



101782346A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/12/2001

REEL/FRAME: 011977/0738
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PERRIN, ROBERT E.

DOC DATE: 05/15/2001

ASSIGNOR:

HOEK, KEITH A. SR.

DOC DATE: 05/15/2001

ASSIGNEE:

CAPTUS NETWORKS CORPORATION
1680 TIDE COURT, SUITE B
WOODLAND, CALIFORNIA 95776-6210

SERIAL NUMBER: 09845847
PATENT NUMBER:

FILING DATE: 04/30/2001
ISSUE DATE:

SEDLEY PYNE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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TECHNOLOGY CENTER 2000



07-19-2001

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101782346

Tab settings == ==

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Robert E. Perrin

Keith A. Hoek, Sr.

7-12-01

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: May 15, 2001

attached original documents or copy thereof.

Address of receiving party(ies):

Name: Captus Networks Corporation

Internal Address:

Street Address: 1680 Tide Court, Suite B

City: Woodland

State: CA

ZIP: 95776-6210

Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/845,847

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William P. Smith

Internal Address: Doepken Keevican & Weiss, P.C.

Street Address: 58th Floor - USX Tower

600 Grant Street

City: Pittsburgh

State: PA

ZIP: 15219

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

500287

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William P. Smith, Reg. No. 34,931

Name of Person Signing

William P. Smith

Signature

July 10, 2001

Date

Total number of pages including cover sheet, attachments, and document: 6

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

07/18/2001 GT0H11

00000206 500287

09845847

01 FC:581

40.00 CH

(Form PTO-1595-Recordation Form Cover Sheet - page 1 of 3)

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
CATPNE/P003A1

This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ *United States of America rights, title and interest in the invention*
☒ *Foreign rights, title and interest in the invention*
☒ *United States Patent Application Serial No. 09/845,847*

Date of Execution: _____

Date of Filing: April 30, 2001

☐ *United States Provisional Patent Application Serial No.* _____

☐ *United States Patent No(s).* _____

☐ *International (PCT) Patent Application Serial No.* _____

☐ *Other (specify)* _____

Title of the Invention

Method and Apparatus for Routing Data Over a Computer Network

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Robert E. Perrin	480 Lyman Circle, Sacramento, CA 95835
Keith A. Hoek, Sr.	2287 Jasper Lane, Wheatland, CA 95692

Assignee

<i>Name</i>	<i>Address</i>
Captus Networks Corporation	1680 Tide Court, Suite B Woodland, CA 95776-6210

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
CATPNE/P003A1

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

<i>Name</i>	<i>Signature/Date</i>
Robert E. Perrin	
Keith A. Hoek, Sr.	

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
CAPTNE/P003A1

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 15th day of May, in the year 2001
at _____
Robert E. Perrin
(Signature of Inventor)

State of CA

County of Yolo

Before me personally appeared Robert E. Perrin
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this 15th day of MAY, in the year 2001

(Notary Public)

Executed this 15th day of MAY, in the year 2001
at _____
Keith A. Koek Sr.
(Signature of Inventor)

State of CA

County of Yolo

Before me personally appeared Keith A. Koek, Sr.
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this 15th day of MAY, in the year 2001

(Notary Public)

Executed this _____ day of _____, in the year _____
at _____

(Signature of Inventor)

State of

County of

Before me personally appeared _____
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this _____ day of _____, in the year _____

(Notary Public)

ASSIGNMENT OF RIGHTS, TITLE & INTEREST IN INVENTION

STATE OF CALIFORNIA

COUNTY OF YOLO } S.S.

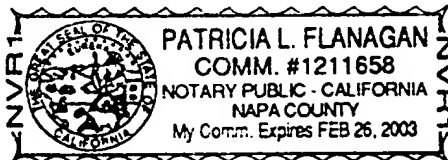
On MAY 15, 2001 before me,
the undersigned

a Notary Public in and for said County and State, personally
appeared Robert E. Perrin

personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person(s) whose name (s) is/are
subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized
capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature [Signature]



ASSIGNMENT OF RIGHTS, TITLE & INTEREST IN INVENTION

STATE OF CALIFORNIA

COUNTY OF YOLO } S.S.

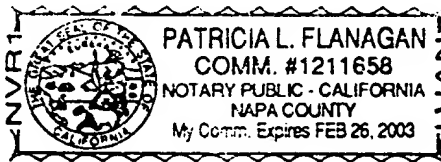
On MAY 15, 2001 before me,
the undersigned

a Notary Public in and for said County and State, personally
appeared Keith A. Hoek Sr.

personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person(s) whose name (s) is/are
subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized
capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature [Signature]





Practitioner's Docket No. CAP/ENE/P003A1

RECEIVED
PATENT
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TECHNOLOGY CENTER 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Perrin, Robert E.; Hoek, Sr., Keith A.

Application No.: 09/845,847

Group No.: 2835

Filed: 04/30/2001

Examiner: Not Assigned

For: Method and Apparatus for Routing Data Over a Computer Network

Commissioner for Patents

Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. §1.48(a)(2)
BY PERSON BEING ADDED AS INVENTOR

Sir:

I, Kelly, M. Hall, request that I be added as an inventor in the above-identified patent application. The error in inventorship occurred without deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Kelly M Hall

Kelly M. Hall

Practitioner's Docket No. CAPTNE/P003A1

RECEIVED
PATENT

JAN -2 2002

TECHNOLOGY CENTER 2800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In application of: Perrin, Robert E.; Hoek, Sr., Keith A.

Application No.: 09/845,847

Group No.: 2835

Filed: 04/30/2001

Examiner: Not Assigned

For: Method and Apparatus for Routing Data Over a Computer Network

Commissioner for Patents

Washington, D.C. 20231

ASSENT OF ASSIGNEE TO ADDITION OF INVENTOR

Name of Assignee:

Captus Networks Corp.

Address of Assignee:

1680 Tide Court, Suite B
Woodland, CA 95776-6210

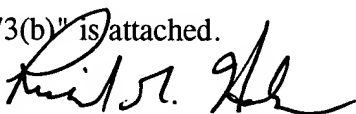
Assignment was mailed to the Commissioner of Patents and Trademarks, Box Assignments, on July 10, 2001.

A copy of the recorded Assignment is attached.

Assignee hereby assents to the correction of inventorship filed herewith.

RIGHT OF ASSIGNEE TO TAKE ACTION

A "STATEMENT UNDER 37 C.F.R. § 3.73(b)" is attached.



Signature

Richard G. Helgeson, President & CEO